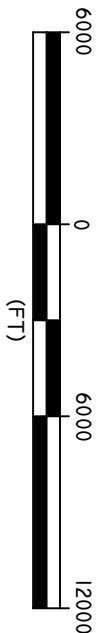
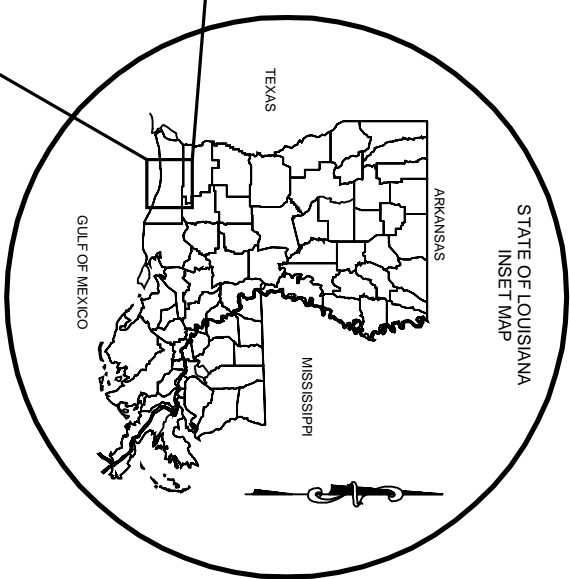
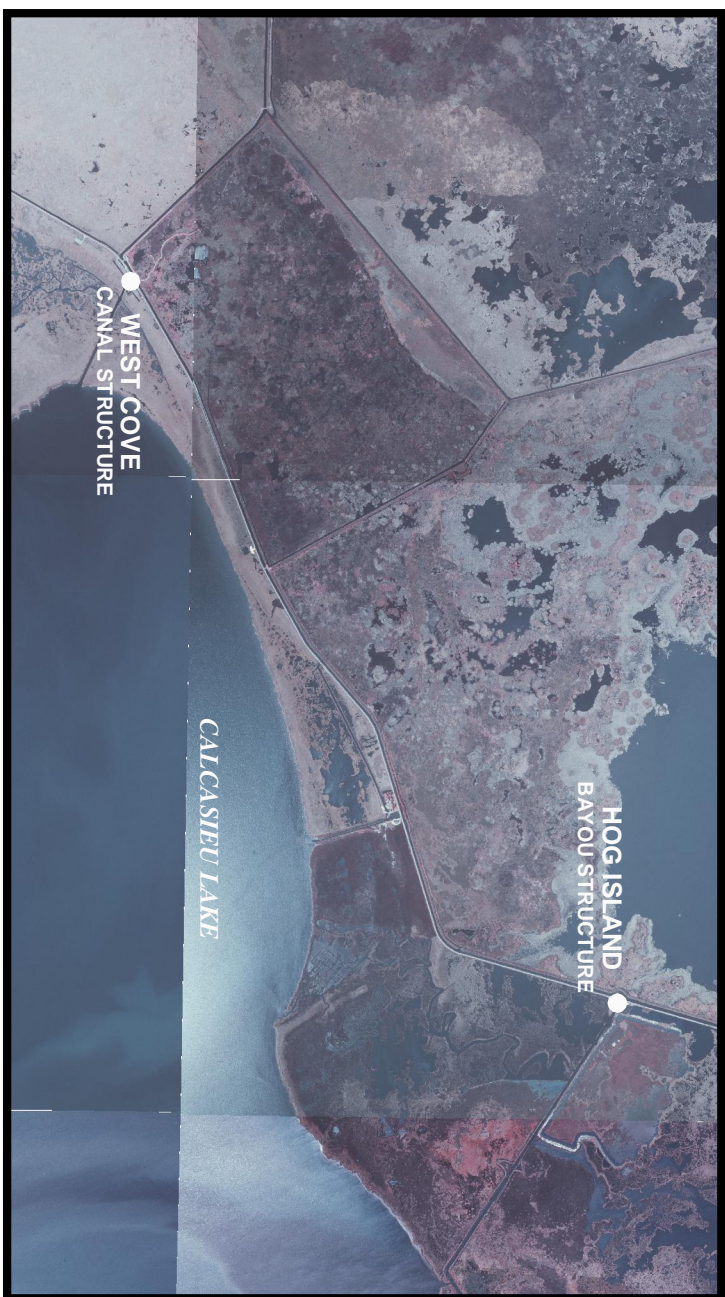
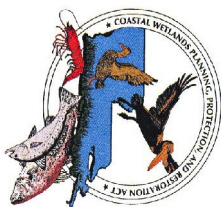


INDEX TO SHEETS	
<u>SHEET NO.</u>	<u>DESCRIPTION</u>

- 1 TITLE SHEET
- 2 HOG ISLAND WATER CONTROL STRUCTURE
- 3 WEST COVE WATER CONTROL STRUCTURE
- 4-5 DETAILS

Coastal Protection and
Restoration Authority of Louisiana

ANDRÉ AUCOIN, P.E.

TYPE OF CONSTRUCTION
CHAINLINK FENCE AND ASSOCIATED
CONCRETE REPAIR

STATE OF LOUISIANA OFFICE OF COASTAL PROTECTION AND RESTORATION				SABINE REFUGE WATER CONTROL STRUCTURES FENCE REPAIR AND REPLACEMENT		TITLE SHEET
				STATE PROJECT NUMBER: CS-23		
				FEDERAL PROJECT NUMBER: N/A		
				APPROVED BY:		DATE: JANUARY 2009
1	9-25-09	ASBUILT	UP	DRAWN BY: LOREN FLEISHER DESIGNED BY: ANDREW ALCOIN BY: BATON ROUGE, LOUISIANA 70802		SHEET 1 OF 5

SEE DETAILS SHEET NO. 4



3. CONCRETE REPAIR TO BE PAID FOR AS PART OF ITEM 940 (FENCE REPAIR)

5. CONTRACTOR TO SECURE FABRIC AND TENSION WIRES WITH NEW TIE CLIPS

7. CONTRACTOR TO SALVAGE ALL SALVAGEABLE POLES FOR REUSE

9. CONTRACTOR TO DETERMINE ACTUAL NUMBER OF CONCRETE REPAIR POINTS

REINFORCEMENT.



SEE DETAILS SHEET NO. 4









HOG ISLAND WATER CONTROL STRUCTURE

**REQ'D 4'-6"
GATE
(TYPICAL
EACH SIDE)**

SCALE: 1/8" = 1'

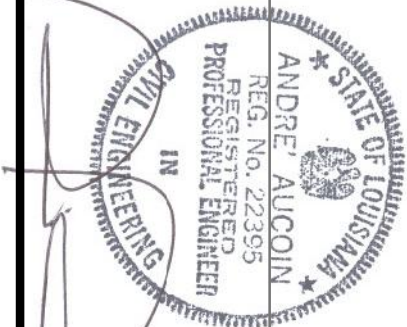


 CORNER PLATE A *
 CORNER PLATE B *
 END PLATE *
 SIDE PLATE *
 POST SPACINGS TO
MATCH EXISTING
 NO DIRECT PAY
SEE NOTE 2
 * REFER TO SHEET NO. 4
FOR PLATE DETAILS.

TYPICAL CONCRETE & PLATE DAMAGE



SCALE: 1/8" = 1'

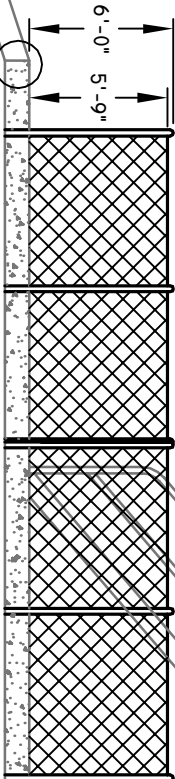


A_E inc.
ACADIAN ENGINEERS
&
ENVIRONMENTAL CONSULTANTS INC.
1601 AMAZON ST.
EUNICE, LOUISIANA
337-457-1492

[illegible]



WEST COVE WATER CONTROL STRUCTURE



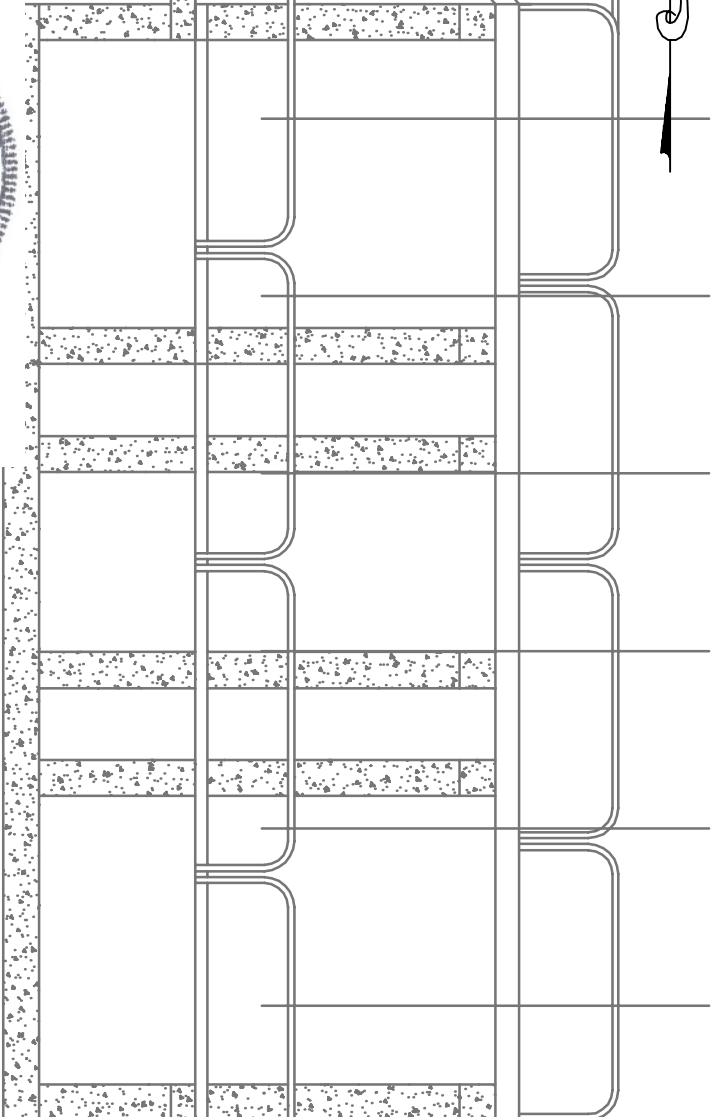
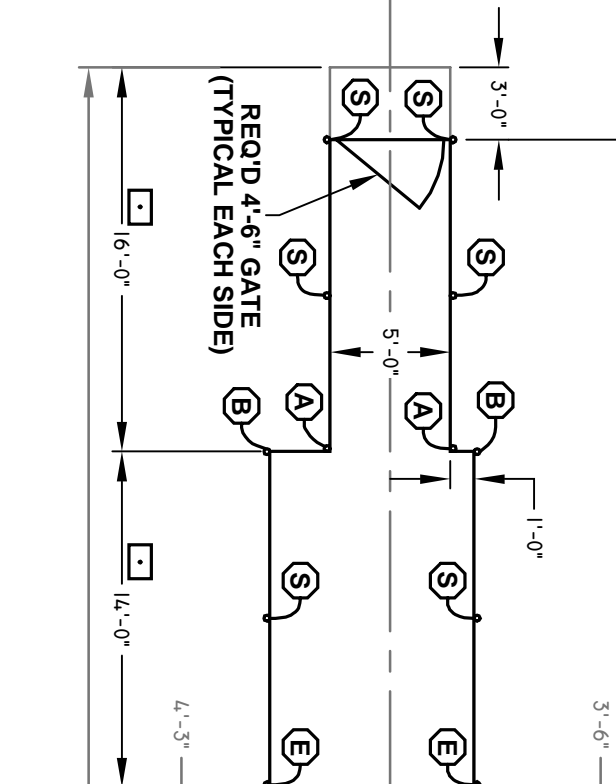
REQ'D REPAIR CONCRETE
SEE DETAILS SHEET NO. 4

- LEGEND:**
- A** CORNER PLATE A *
 - B** CORNER PLATE B *
 - E** END PLATE *
 - S** SIDE PLATE *
 - POST SPACINGS TO MATCH EXISTING
 - NO DIRECT PAY SEE NOTE 2
 - REFER TO SHEET NO. 4 FOR PLATE DETAILS



CONCRETE DAMAGE

APPROXIMATE LIMITS OF
FENCE REPLACEMENT

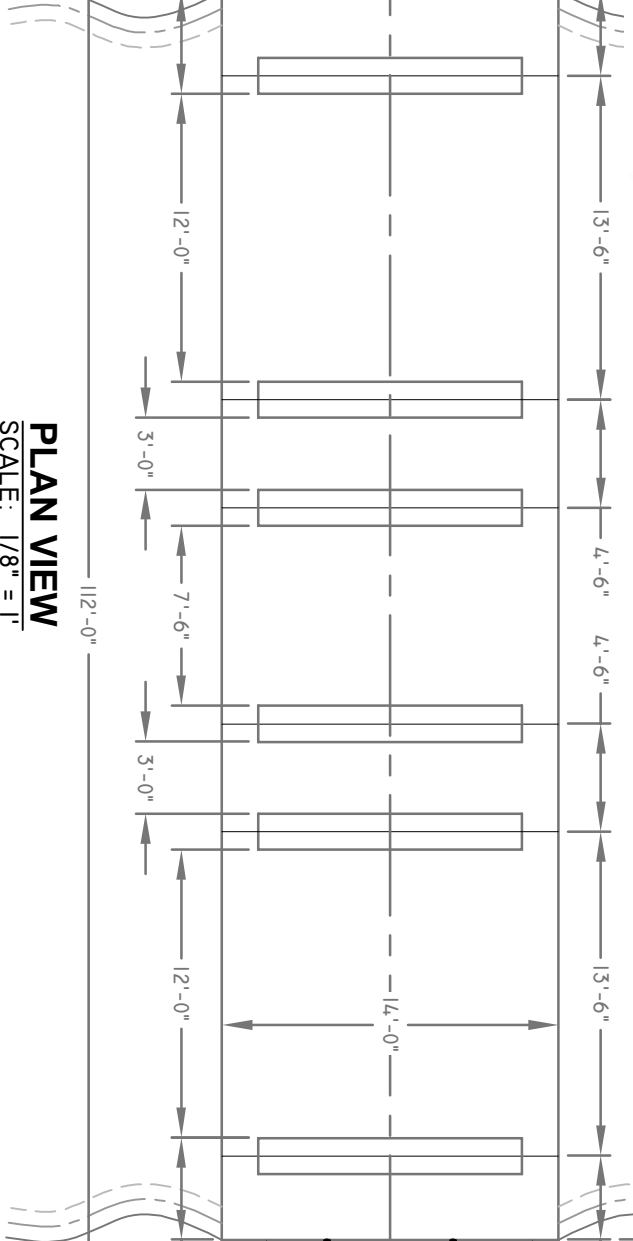


SIDE VIEW

LOOKING EAST

SCALE: 1/8" = 1'

WEST COVE CANAL



PLAN VIEW

SCALE: 1/8" = 1'

FENCE AND POLES ON SOUTH SIDE OF
STRUCTURE TO BE SALVAGED AND
RESTRETCHED AND FASTENED TO POSTS.

REQ'D REMOVE & REPLACE
6" CHAINLINK FENCE

SEE DETAILS SHEET NO. 4

REQ'D 4'-6" GATE
(TYPICAL EACH SIDE)

NOTES:

1. ALL DEBRIS AND FOREIGN MATERIAL IS TO BE REMOVED FROM STRUCTURE THROUGHOUT THE LIMITS OF THE FENCE. WASTE IS TO BE DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATORY REQUIREMENTS.
2. CONTRACTOR TO REPAIR ALL CONCRETE DAMAGE AT FENCE POST SUPPORTS, SS ANCHOR BOLTS AND BRACING. CONCRETE TO BE REPAIRED UTILIZING SIMPSON STRONG-TIE ANCHORING ADHESIVE SYSTEM (OR APPROVED EQUAL).
3. CONCRETE REPAIR TO BE PAID FOR AS PART OF ITEM 940 (FENCE REPAIR).
4. CONTRACTOR TO VERIFY FENCE DIMENSIONS PRIOR TO ORDERING. DRAWINGS BASED ON DESIGN DRAWINGS, NO FIELD VERIFICATION PERFORMED.
5. CONTRACTOR TO SECURE ALL EXISTING FABRIC AND TENSION WIRES WITH NEW TIE CLIPS.
6. CONTRACTOR TO PLACE POLE CAPS ON ALL FENCE POSTS WITHOUT CAP.
7. CONTRACTOR TO SALVAGE ALL SALVAGEABLE POLES AND OTHER MATERIAL FOR REUSE.
8. ALL REMOVED CHAINLINK FENCE MATERIAL TO BE SCRAPED BY CONTRACTOR AT NO DIRECT PAY.
9. CONTRACTOR TO DETERMINE ACTUAL NUMBER OF CONCRETE REPAIR POINTS REQ'D TO FIX FENCE TO STRUCTURE AND PROTECT EXPOSED STEEL REINFORCEMENT.

APPROXIMATE LIMITS OF
FENCE REPLACEMENT

REQ'D REPLACE DAMAGED 6"
CHAINLINK FENCE IN KIND (TYPICAL)



REV	DATE	DESCRIPTION	BY	DRAWN BY: LONI FISHER	DESIGNED BY: ANDRE AUCOIN	STATE OF LOUISIANA OFFICE OF COASTAL PROTECTION AND RESTORATION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	SABINE REFUGE WATER CONTROL STRUCTURES FENCE REPAIR AND REPLACEMENT STATE PROJECT NUMBER: CS-23	WEST COVE WATER CONTROL STRUCTURE
1	9-25-09	ASBULT	LF				FEDERAL PROJECT NUMBER: N/A	DATE: JANUARY 2009
							APPROVED BY:	SHEET 3 OF 5



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1. CONTRACTOR IS TO PREPARE SURFACE, FORM WORK, MIX, PLACE FINISH AND CURE GROUT EPOXY AT DAMAGED CONCRETE LOCATIONS IN STRICT CONFORMANCE WITH THE MANUFACTURERS (ESCONWELD OR APPROVED EQUAL) RECOMMENDATIONS. NUMBER OF REQ'D REPAIR POINTS TO BE DETERMINED BY CONTRACTOR AT PRE CONSTRUCTION CONFERENCE. CONCRETE REPAIR COSTS ARE TO BE INCLUDED IN ITEM 94.0 (FENCE REPAIR).
2. ALL FORM WORK MATERIAL IS TO BE FREE AND CLEAR OF FOREIGN DEBRIS, OILS AND OTHER CONTAMINANTS. FORM WORK ☐ IS TO BE COATED WITH HEAVY PASTE WAX AS REQUIRED TO PREVENT BONDING.
3. CONTRACTOR TO ASSURE ALL EXISTING CONCRETE SURFACES TO BE USED FOR BONDING WITH EPOXY GROUT MATERIAL IS CHIPPED APPROXIMATELY 1" IN DEPTH (IF REQ'D) TO REMOVE ALL CONCRETE NOT ABLE TO PROVIDE ADEQUATE BONDING.
4. GROUT MIX IS TO BE PLACED IN SEALED FORM WORK IN SUCH A MANNER TO PREVENT AIR POCKET FORMATION WITHIN THE GROUTED SECTION.
5. FORM WORK IS TO BE LIQUID TIGHT TO PREVENT LOSS OF EPOXY GROUT MATERIALS. CONTRACTOR TO SEAL OFF JOINTS, OPEN SPACES, AND CRACKS WITH PUTTY OR DUCT SEAL AS APPROVED BY ENGINEER. DO NOT USE MECHANICAL FASTENERS TO ANCHOR FORM WORK TO CONCRETE I.E., SCREWS OR NAILS. NO HOLES ARE TO BE CREATED IN CONCRETE. USE OF CLAMPS IS PERMISSIBLE.
6. EPOXY GROUT IS TO BE MIXED UTILIZING A POWERED MIXER. CAUTION SHALL BE PRACTICED TO PREVENT OVER MIXING.
7. POURING OF EPOXY GROUT SHALL BE FROM MIDDLE OUTWARD (WHEN APPLICABLE) TO PREVENT AIR POCKETS AND Voids.

- ### DETAIL B
- #### ANCHOR BOLT PLACEMENT

- INSTALLATION AND ADHESIVE ANCHORING PROCEDURES SHALL BE PERFORMED IN CONFORMANCE WITH MANUFACTURERS' RECOMMENDATIONS, WHICH INCLUDES:
 - DRILLING: 5/8" Ø HOLE FOR 1/2" SS BOLT TO REQ'D DEPTH (MIN. 5" EMBEDMENT INTO CONCRETE)
 - SURFACES AND HOLES TO RECEIVE EPOXY MUST BE CLEANED IN STRICT CONFORMANCE WITH MANUFACTURERS' INSTALLATION INSTRUCTIONS AND AS DIRECTED BY ENGINEER
 - USE OIL FREE COMPRESSED AIR AND CLEAN NYLON BRUSH TO REMOVE DUST AND OTHER PARTICLES FROM SURFACE TO RECEIVE EPOXY
 - EPOXY MATERIAL TO BE APPLIED UTILIZING THE ET EPOXY-TIE ® ANCHORING ADHESIVE (E) APPLICATOR
 - THREADED SS BOLTS ARE TO BE PLACED AND SECURED INTO EPOXY MATERIAL IN A MANNER THAT THE BOLTS ARE NOT DISTURBED UNTIL MATERIAL IS FULLY CURED (CURE TIME AS PER MANUFACTURERS' RECOMMENDATIONS)
 - TIGHTEN CONNECTIONS TO REQ'D TORQUE AFTER ADHESIVE HAS FULLY CURED
 - DRILL HOLES ARE TO BE COATED WITH TNEMC SERIES 10, PRIMER GREY (OR APPROVED EQUAL) PRIOR TO INSERTING FASTENERS
 - DRILL HOLES ARE TO BE 9/16" Ø FOR 1/2" SS BOLTS AND 1 1/16" Ø FOR 5/8" SS BOLTS (CORNER PLATE B ONLY)

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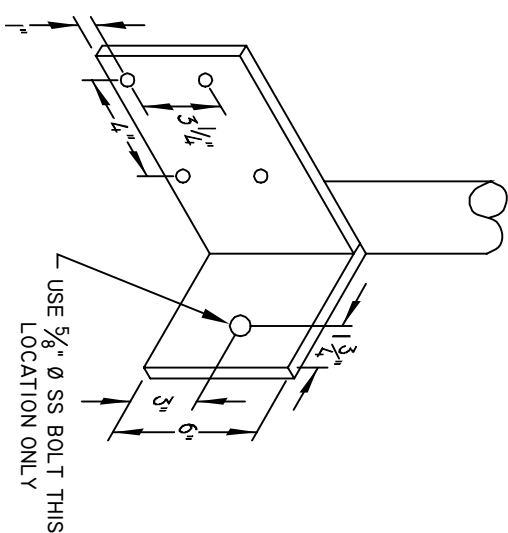
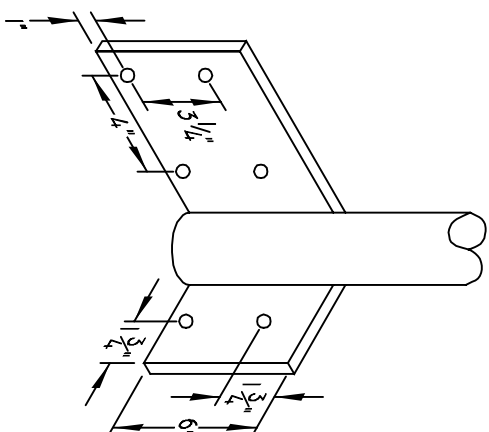
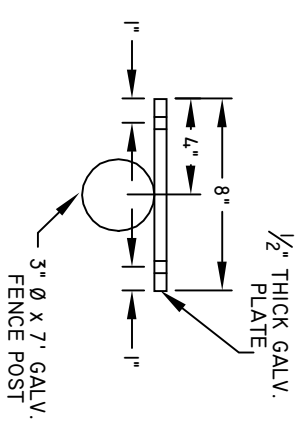
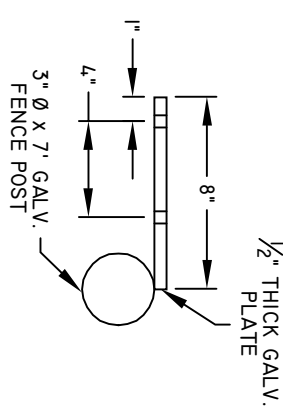
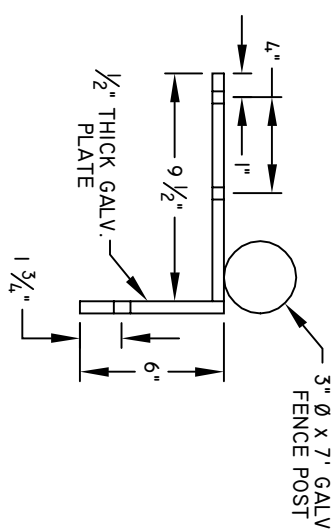
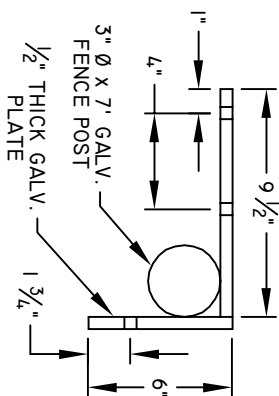
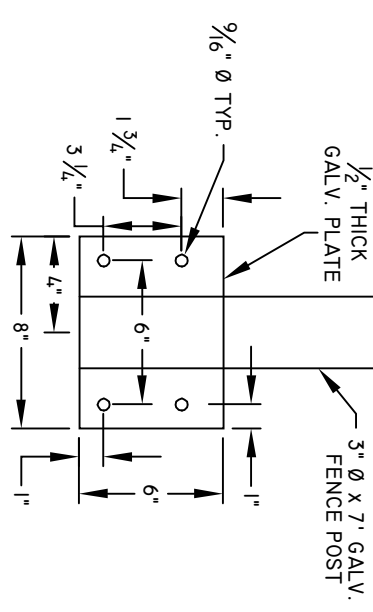
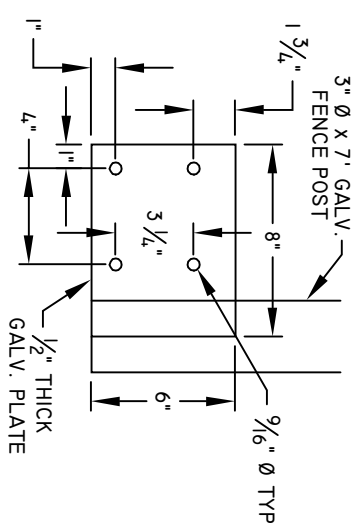
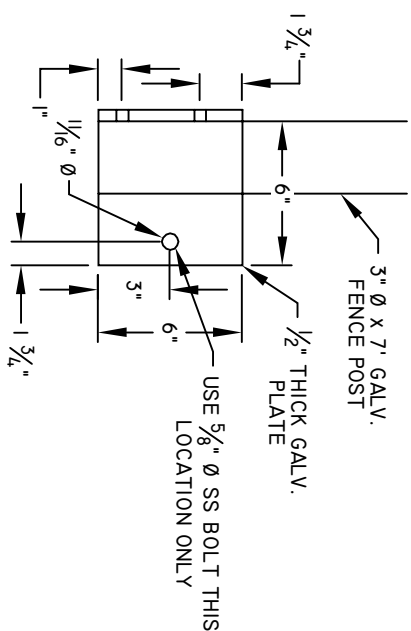
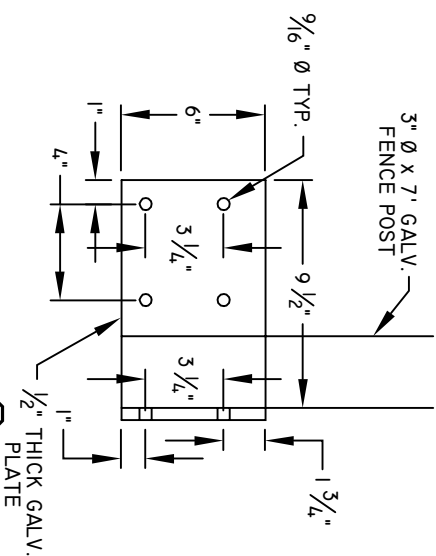
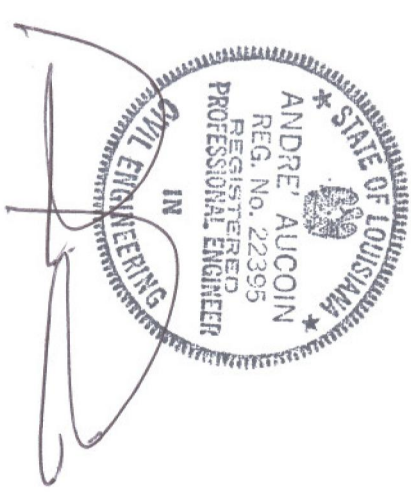


PLATE DETAILS



STATE OF LOUISIANA				SABINE REFUGEE WATER CONTROL STRUCTURES	
OFFICE OF COASTAL PROTECTION				FENCE REPAIR AND REPLACEMENT	
AND RESTORATION					
617 NORTH SUBSTREET					
BATON ROUGE, LOUISIANA 70802					
DRAWN BY: LOUIE FUSHEIER				DESIGNED BY: ANDREW ALCOIN	
REV	DATE	DESCRIPTION	BY		
1	5/25/09	AS BUILT	LF		
				STATE PROJECT NUMBER: CS-23	
				FEDERAL PROJECT NUMBER: N/A	
				APPROVED BY:	
				DATE: JANUARY 2009	
				SHEET 5 OF 5	
				DETAILS	